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B.C. EDITION

COMPUTER PAPER

WESTERN CANADIAN COMPUTER INFORMATION SOURCE

Vol. 1 No. 4 April 1989

FREE



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- Tax Calculation Programs
- Corel Draw
- PC Tools Del
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386/MUS

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The COMPUTER PAPER

WESTERN CANADA'S COMPUTER INFORMATION SOURCE

Vol 2, No. 4 April 1989

FROM THE EDITOR



As you may have noticed, we have a couple of changes on our logo on the cover this month. The change from "B.C.'s Computer Information Source" to "Western Canada's Computer Information Source". This change reflects the fact that we now have an Alberta edition of the paper which covers Calgary and Edmonton. We realize that it may be a touch presumptuous to call B.C. and Alberta "Western Canada", but given a little time and we will grow into it.

When we first started the paper last year in February, we began with the grandiose title of "B.C.'s Computer Information Source". We only had a circulation of 30,000 and much of that was right in Vancouver. Currently we circulate 40,000 all over the Lower Mainland, but you can find copies of our paper throughout B.C. from Telus in Trail and beyond. Next month our B.C. circulation will reach 50,000 and you will be able to find a copy in many new outlets. The new name gives us something to live up to.

This month we look at buying 386-computers, something that many people are considering these days. Prices are falling on these units, and they are becoming a much more reasonable alternative given their potential for large speed increases and multi-tasking abilities. A glimpse of another revolution in computing power is included in a sidebar on page 31. This is the technology of parallel processing. It has the potential of delivering mainframe computing power in a desktop computer. Exciting stuff!

In the article on Corel Draw, Nelson Rose's obvious excitement about a new drawing package that runs on PC's under Windows is apparently shared by some heavy hitters in the industry. According to a line breaking fax from Corel Systems, IBM in the U.S. has just picked up the product for their direct sales force. The bottom line for PC users is that they are no longer the poor man on the block when it comes to graphics.

Enjoy the issue.

Kiran Singh Khosla
Kiran Singh Khosla
Publisher/Editor

Coming Schedule

May: **Full of Value/Promise Made**
Interviews
Copy & Ad Deadline: Wednesday, April 19
Issue: 5000 (West Coast) Computers & The Building Industry
Copy & Ad Deadline: Friday, May 19
June: **Memory Upgrades/The Best Office**
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NETWORKS

40 NETWORKS, BRIDGES & ROUTERS

Mike White says look with confidence for the new hardware. (CNET) make this a database of links to networking.



LCD Printer Better Than Apple LaserWriter

The Compaq Portable™ from Data Communications Products Inc. prints complete pages printed at a resolution that compares favourably with the Apple LaserWriter IIx. It is a 10.5" x 14.5" dot printer, is listed at just less than the LaserWriter IIx. The printer features 1 megabyte of RAM and comes standard with 11 font families offering 35 options.

The printer is now distributed in Canada by Adam Perleberg (514-334).

New Centre Focuses on Entrepreneurs & Small Business

Small business has a 40% success rate over any 50-year life. Bank of BALT under the aegis of financial institutions under the aegis of the Bank of BALT under the aegis of the U.S. economy. Last statistics show that 50% of all new jobs in Canada are created by small business.

Unfortunately, small business also has a high failure rate, especially in the first five years.

The Douglas Centre for Entrepreneur Development is a five-day/40-hour course, run jointly by the Ministry of Advanced Education, with a mandate to help in business and training entrepreneurs in a more serious business context. They provide one-on-one consulting by experienced entrepreneurs for those entering the self-employed arena or with an established business experience, emphasizing flexibility in planning expansion. They also offer a variety of services designed to enhance personal and business management in the area of small business expansion.

Visit the Entrepreneur Development, 100 Royal Avenue, New Westminster, B.C. Telephone (604) 528-4800.

US Payroll Specialists Announces Canadian Payroll for Macintosh

Amco Software has announced Amco Payroll Plus for the Canadian market. Amco claims that its Payroll Plus can reduce the payroll task down to about 15 minutes per pay period, depending on the number of employees.

The program includes all federal provincial and state, appropriate reports, generates the payroll journal/report for any time period and for any small employees, T4 forms and the T4 summary, and payslips in English or French. It also does any changes from the federal T4 and federal summary. Other features include up to 10 users access per employee, including up to 10 users, unlimited number of employees (the expense could come to the owner, printer, etc.) a 100% on call, automatic updates, fast pay and summary printing. US employees can be represented by small employees and the payroll printing printing of employee "summary" form for review. payroll processing of various payroll data maximum length for payroll clearing up to 100.

Amco Payroll Plus will also be integrated with the Accounting Security Data File Software to easily increase the accounting process for any business. For more information call (503) 700-7001.

Independent Computer Consultants Association Moves

The ICCA is moving their office. The Independent Computer Consultants Association (ICC)

Computer Users Association (ICCU) is moving their office. The ICCA is moving their office. The Independent Computer Consultants Association (ICC)

The ICCA is moving their office. The Independent Computer Consultants Association (ICC)

The ICCA is moving their office. The Independent Computer Consultants Association (ICC)

VCC Offers New Program for Telecommunications Managers

Vancouver Community College has just approved a new program in telecommunication management.

The program is the only one of its kind offered in public institutions in British Columbia, and is being conducted in co-operation with the B.C. Institute of Technology.

The program is designed for people already in the workplace, who are responsible for planning and designing office telecommunication systems. The first telephone was put into service over 100 years ago.

"We can teach people who in almost the past integrated and now efficient communication systems available in the marketplace. They will learn how to effectively manage the telephone and equipment and technology," says Neil Kline, a senior program co-ordinator with the College's Continuing Education Division.

The program covers many fields of communication technology, including telephone systems, communication networks, fax machines and computers. Program graduates will be able to use the first class in the industry today and will be able to give the first applications.

The program is designed for telecommunication systems managers, and those offering telecommunication services. This enables telegroups to share the same of time.

The program consists of five weeks and runs approximately 1988.

For more information contact Ed Kline at Continuing Education, Vancouver Community College, Telephone (604) 688-0000.



"Ripper Stripper" Speeds Up Removing Plotted Margins

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APPLE WORLD

Apple Wins Round One

In Copyright Fight With Microsoft
SAN FRANCISCO, CALIFORNIA, U.S.A. (APR 10/88) — A federal District Court judge has decided that Microsoft's Windows 3.01 violated the terms of an agreement Microsoft signed with Apple Computer in 1985, allowing it to develop its first version of Windows. The ruling by District Court Judge William Alton Marshall in San Francisco, the first in a series between Apple and Microsoft over the "look and feel" of Microsoft's software, gave Apple the first victory. "The lawsuit was a clear violation of the agreement," the judge told the court.

The second violation was clear, according to the court finding April 14, with Windows 3.01 and Windows 3.02 and Microsoft's Windows 3.03. The court also found that the "look and feel" of Microsoft's software, gave Apple the first victory.

The court also found that the "look and feel" of Microsoft's software, gave Apple the first victory. The court also found that the "look and feel" of Microsoft's software, gave Apple the first victory.

However, the court did not find that the "look and feel" of Microsoft's software, gave Apple the first victory. The court also found that the "look and feel" of Microsoft's software, gave Apple the first victory.



The Apple computer got Apple's latest version in the court. The court also found that the "look and feel" of Microsoft's software, gave Apple the first victory.

Apple Unleashes Three-Sided Macintosh Box

SAN FRANCISCO, CALIFORNIA, U.S.A. (APR 10/88) — Apple Computer has unveiled the Macintosh, most compact member of its new Macintosh family. The box, plus its new monitor and a mouse, measures 10.5 inches wide, 10.5 inches high, and 10.5 inches deep. The box is made of aluminum, and is made of aluminum. The box is made of aluminum, and is made of aluminum. The box is made of aluminum, and is made of aluminum.

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While Apple will continue to use the Macintosh, the company has already provided the box in an important, significant way. The company will continue to use the Macintosh, the company has already provided the box in an important, significant way.

The company will continue to use the Macintosh, the company has already provided the box in an important, significant way. The company will continue to use the Macintosh, the company has already provided the box in an important, significant way.

Macintosh Chosen Best At MacWorld

SALT LAKE CITY, UTAH, U.S.A. (APR 10/88) — In its 10th annual contest, the Macintosh was chosen as the best computer. The Macintosh was chosen as the best computer. The Macintosh was chosen as the best computer.

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
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Michael Mulrooney
Partner


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workplaces' training needs. Arguably, PayPro's success can be attributed to its ability for U.S. clients from Atlanta to be able to download from several online services including The Source, ERM, and Compuserve.

Seiyoku Laments

Lack of Good PIM

LAKE CLARK, CALIFORNIA, U.S.A., 1991 MAR 15 (ENR)—David Peters, a personal information manager (PIM) program developer, says that he and several other users of personal information managers will not be fully satisfied, so says publisher Andrew Seiyoku, operating under the Federal Office Systems Corp. of Washington and Seattle, who funds Seiyoku's PayPro Computer leaders, says without a good PIM, the computer is a support tool, rather than the financial asset's working.

"We have seen a decline of the PIM will be less ability to support and export data to a multiplicity of systems," he said. "The company's management believes of data already existing on the computer will not be the PIM was."

He said the PIM should include contact, calendar, scheduling and organization amongst other, address and (phone/fax) — and those programs must — but they do not take the best components' a user's needs as they should. He said such a program should allow when PIM have a lot of memory and interfacing.

Little Believes

London At Seiyoku Seminar

BAVERGROVE, CALIFORNIA, U.S.A., 1991 MAR 15 (ENR)—The business industry "we are making great progress," David Little, chairman of Manager Computer Systems, said the last day's event at the Seiyoku Seminar. Two-day educational symposium, in a specific manner, has been the software industry for "opening the windows," in talking to come up with new ideas and new ways of doing old jobs. Little pointed to the efforts of desktop publishing, saying it has been the development of the present world. "We have used desktop and graphics software, have been in some clusters," he said, pointing to a slide showing a current document of recent years. "We have a situation where 'from inside' we can find the current event."

Little said of the software which developed the first area and extending over another at Seiyoku's Past Area Research's semi-annual the industry to try to create new ideas. "With the expansion of desktop publishing, the expansion of the computer industry and finally on expanding old users. We have to accept this process."

To expand the public has been called for software made known to this software it is, little believes he said by everyone, and real-time applications development.

Little is a firm manager of the leading supplier of data management systems.

GENERAL

Singapore Firm Develops First Automatic AIDS Detection System

SINGAPORE, S.E. ASIA, 1991 MAR 14 (ENR)—According to the world's first automatic AIDS testing system by a new Singapore firm up company Info Technology Inc. Ltd.

With the help of the Economic Development Board and the Singapore Institute of Technology and International Research, the small firm's product has been tested a multi-analysis system known as Auto-IT. It is a multi-analysis system that can be used for the purpose of the AIDS virus, and up to the danger of contamination by the laboratory staff, improving the consistency of results and speeding up the testing process.

Hanover Fair Bigger Than Ever

HANOVER, NEW HAMPSHIRE, 1991 MAR 15 (ENR)—Three days, the Hanover Fair is breaking records for computer trade shows, with an estimated audience this year of half a million people. According to it is the processing time, 341 other equipment manufacturers, 412 computer manufacturers, 24 personal computer companies, 400 to 500 more — a 20 percent increase, and 100 security equipment firms — up 400 percent over last year. Although 2,222 companies are showing the spotlight shows 2.5 million last of these years.

This year's show also has a decidedly international flavor, with 40 percent of exhibitors — 1,111 companies — having headquarters outside America. Foreign companies from Greater Poland State with the second largest overseas showing from Taiwan. A total of 414 companies were from the European Community.

A new point and contact system has been introduced with colored screens and glass. The software is connected to a computer and data work supported by laser system. Spans for 4,000 procedures is available with modern interface facilities (using the EDP network) connected by most costs, 100 miles and other features.

Home Computers Now

Considered Lifestyle

Necessities For A Patient

NEW YORK, NEW YORK, U.S.A., 1991 MAR 15 (ENR)—A new study by Doyle and Ray) and The House Organization shows the home computers,

along with PCs, maintain stress, and increase work schedules, with more the most important lifestyle innovation for households with working women of 1100-2000 a year.

42 percent of those responding in the survey said that they can't live without a home computer. William Doyle of the Doyle and Ray group said that the study shows, "The home computer now helps to increase work productivity and efficiency."

Laser Printers

Most Sought-After Products

MANHASSET, NEW YORK, U.S.A., 1991 MAR 15 (ENR)—A recent poll by Computer Business News and the Living Report ranked the most sought after products for the future 1990 computer use. Laser printers were the most sought after office products, with 51 percent of the sample now surveyed using laser printers. The other top five products is used by the future 1990 computer

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Telepoint service and VMEC City Applications Inc. has, with Northern's Strategic Systems Division, developed a new EDIMAP software, which can compute applications with the information systems of Northern's Montreal 30-31 power branch offices. The use of this information can be useful for EDC companies in the Montreal area in applications such as mortgage loans, transferring from the computer system, information, information systems and other data.

Montreal's EDIMAP software is available on Apple II and III products with the installation of Apple II. The VMEC City Services software will use CIO 160. The VMEC City Applications Inc. software will use the CIO 160 (C160) and CIO 160, depending on the hardware used.

Midland-Lab Network Starts

In New York

NEW YORK, NEW YORK, U.S.A., 1989 MAR 27 (AP) — New York Networks — the New York-based computer service — has been launched in the Big Apple. Subscribers can access the system via PC or Macintosh using software with the "Midland" system, based on each user's package in New York and MacTel. The system is based on the New York-based network of New York Networks, offering an additional two months free subscription to networks in the production of New York and MacTel software.

In March, network services in the system were launched in New York, New York. The system is based on the New York-based network of New York Networks, offering an additional two months free subscription to networks in the production of New York and MacTel software.

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Computer Subscriber List Passes The 500,000 Mark

NEW YORK, NEW YORK, U.S.A., 1989 MAR 27 (AP) — Computer subscriber list has passed the 500,000 mark, with the number of subscribers in the United States now exceeding 500,000. The list was compiled by the New York-based network of New York Networks, offering an additional two months free subscription to networks in the production of New York and MacTel software.

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Company's products division, Making its debut before the Dallas College business center. The new product was developed by the company's Dallas office, which is now in the process of being developed. The company's Dallas office, which is now in the process of being developed, is now in the process of being developed. The company's Dallas office, which is now in the process of being developed, is now in the process of being developed.

The Coming Battle Between Product & Market For U.S. Market

NEW YORK, NEW YORK, U.S.A., 1989 MAR 27 (AP) — James Moore, president of the company, is now in the process of being developed. The company's Dallas office, which is now in the process of being developed, is now in the process of being developed.

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being of A&T with the Microsystems group in the next version of Unix, and has indicated its own effort to design a share Unix operating system. The Open Software Foundation members include Digital Equipment, Hewlett-Packard, and IBM.

In the keynote address, Karpas promises to meet with the speakers of the Open Software Foundation, "I cannot wait here for the next meeting but there, timely, wonderful experiences await the Linuxers and its users."

The rest of the show, however, was a proper old-fashioned Open House, put forth by Tandy, Sanyo, Com-Operation, Digital Equipment, and others as spontaneous practical assistance designed to not only sell and make more "new friends" but also to open up the system, as well as to test IBM to the point in the area of ROM-based real-time systems. Unhappily it sponsored by Comlogics, the conventional networks of their systems were, based on Intel's PDP.

**Play Graphics LAME Interface
Without the Annoying Sounds**

San Francisco, California, U.S.A., 1995
 PUBL 21 (200) — The Social Cues Operation, in
 conjunction with Groupware, Faculty, Le-
 arning, and Behavioral Technology, has provided a
 product designed to make this communication
 the same, and to offer an alternative to (SOF's)
 (SOF) for (SOF) based machine. Operation is
 basically an early version of software that can
 supply who have agreed to have a standard
 interface between them, and then make "direct
 use" software available for their systems.

SCC's Unix System 5.0.0, Maple III (DOS support under Unix), SCC's TSP-IP (networking protocol), X windows (graphics support system), Ingres/III (database management), and OR/Intr (DB's new interface which is similar to Informal's Ingresware Manager) are the main elements of the Core Design.

Open Imaging will compare a standard graphical user interface, an open structured query language database, and full commercially viable yet still different operating systems and hardware architectures. It is the goal to take full advantage of the 32 bit power of the Intel 386/486 computers.

MSO will provide Users a license by AT&T. Lotus will provide Lotus 5.0 Merge which makes User system access MSO program. Relational Technology will provide the relational database manager in both Java, thereby will enable the Open Query Gateway package on an MSO server and SMMSC server and Digital will provide the multi user GEMMOL which has been developed by Riverport Product and is based on Digital's RDBMS.

The OpenBootup has been/will be adopted by many vendors such as A&T, Unix Software Corporation, Open Software Foundation, and others. It will (will be) 80486 and will be available from the fourth quarter of 1992.

Analysis gave it a good chance of recording shareholders' loss-finding. The Union has some 100,000 shareholders, an extraordinary distribution that, in an aggressive marketing technique, had to introduce what is easy to get. Says Bill Rogers, analyst at Credit Suisse Group, "This means a new world for a Union opening system to a PC opening system without any money." Says Robert Kane, industry observer and president of FCI, "It's a new way of doing things."

AT&T Bell International Motion
Pictures Inc. (AT&T I.M.P.)

RAMUS, ANTONIO C. ALFONSO, C.E.A., 1993
FEH 20 (3-B).—AT&T has changed its licensing
 procedure for Unix V systems in response to a
 request from Unix International, the company
 responsible for marketing Unix as a common inter-
 operating standard.

The change affects the operating volume of the system and includes an early access program, starting in March 1990. Under this program members of the International wall service sector of Bologna take exception. The wall service sector's responsibility is to help protect their interests in

1000

at 1.45. The "Redeemed" operations will also begin

no change in structural mass between 1990 and 1995

Trans, Lovers, Paper Pilot, Pismo, Radio Computer and Relational Technology: The company is a non-profit organization devoted to guide the future development of Lhasa.

Spunly SP-400-Black
Black Standard

1890 PUBLISHED BY THE NATIONAL ACADEMY OF SCIENCES, WASHINGTON, D.C. 20540

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INDUSTRIAL NEWS, CALIFORNIA, U.S.A.
UNITED FRUIT (UFW)—ACFT will buy another 1.2 million shares of high-dividend stock, giving it a total of 1.8 percent of the workforce under The pact in ACFT is negotiated in UFW's union. ACFT and UFW are working together on a new version of the UFW operating system which they have with the other companies involved.

Blacks of Different Colors (Blackness)

[illegible]

The 1980s in the Twentieth Century

ALISON TERESA, U.S.A. (OFFER 22001)—Bell Company Corp. (Nasdaq:BELLA) is providing to introduce the complete Line System that contains 100-based components with an optional version of AT&T's 100S operating system. The Bell Line systems will be presented to the Southern Conference in San Francisco on Feb. 26. The systems are built around Bell West Systems 100S Release 1.2—the standard party version of the operating system—distributed under AT&T's Line trademark—and the company's System 100S and System 200 computers.

San Launcher Unit Development Center in Canada

MONTREAL, QUEBEC, CANADA, 1995 PER 200 (R) — *See* Microsystemes de Canada de Montreal, Ontario, for early development; some have to support and promote in time. The major will support itself, partly software development in Canada, and will work on adding French language capabilities to them. Barry Provance, director of marketing in New Canada, and the Canadian subsidiary is also expanding with its parent company in Montreal, Que., Canada, it will not be in their development program for the worldwide network.



IMPACT

PERFORMANCE

Bill of materials
Inventory / Quotation
Factory documentation
Job costing
Employee planning

DISTRIBUTION

Inventory
Purchase orders
Job status
Repeat order

ACCOUNTING

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INVENTORY

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and labels
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Global price changes
Comprehensive reports

CUSTOMERS

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Sales history by customer
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As an example of T4-NMR, the EAPNO (a long, unbranched chain) was studied in Figure 4. And unlike CO₂-compacted EAPNO (M), replacing temperature-changing was found shown in Figure 5 (a) and (b) (the solid

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- (a) **Section 101-1000g**
- (b) **Section 101-1000h**
- (c) **Section 101-1000i**
- (d) **Section 101-1000j**
- (e) **Section 101-1000k**



COASTWAY
OF THE
 HIGHLANDS
 TRAIL



Survey of 386 Computers Available in The Lower Mainland

Experiments on the World's Worst

Basic Configuration: Formwork components prices are shown for stepped three models. In some cases, software enables additional features to be chosen, resulting in changes in the table.

Have I hit any, a priori, red flags with respect to the organization when CTL and EEL doesn't work. I believe that we have no red flags on this document.

Increased Memory When CPU speed is faster:
 Main memory processing can be improved by splitting memory into smaller data segments, which are then sent to processors.

Shadow RAM The system loads the system to write EPROMs, but RAM at the time of boot up, which enables the EPROM to program itself.

What If It Were a Manufacturer? has spent some money that we see from looking with the CPJ, a new group (the CPJ itself) may be interested in making the government to work on.

RAM Increased The amount of RAM supplied with the base configuration. The purchase of a 1GB will often greatly save money in the long run.

Specifications: Specifications ranging from the table were not readily available as items for your system. Please carefully check specifications for the machine you plan to buy with the dealer. The information contained in this notice should be strictly confidential and for your own research.

[illegible]



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Speeding Up Your Old XT

Introduction

It would be pleasant if all of us would afford to swap out old XT drives and buy the latest 100MB models. However, many of us are not so rich. This month, I will discuss several low-cost alternatives for speeding your life (and your old XT).

The Alternatives

The alternatives to simply purchasing a new or used one:

- 1. Clone the \$350 Accelerator software.
- 2. (\$215) 8007 software to give more.
- 3. (\$245) Fast Hard disk. (e.g., Memorex 40 MB, 20 sec access time).

4. (\$215) Expanded RAM. (e.g., last alternate Plus with 212K).

5. (\$1995) 80044 accelerator card. (e.g., last alternate accelerator with 1 MB 20 sec RAM).

6. (\$1150) Replacing your XT motherboard with an XT accelerator. (e.g., ATX XT motherboard, 440K, last disk controller, Diddy controller, 1.2 MB Diddy drive).

7. Replacing your XT motherboard with 80044 motherboard, 1.0 MB RAM (e.g., Rampage motherboard, 1 MB RAM, last disk controller, Diddy controller).

8. Replacing the last drive you would find in the market. The price is in Canadian dollars, except for the Rampage.

1. Software Accelerators

Unfortunately, there is no such thing as a general purpose software accelerator that makes all your files run faster. Software accelerators are not truly generic kinds of programs. (However, your program's speed will double simply by ensuring you have the latest version of the software.)

Using a single speed testing program like Diddy's Diddy will give you better and faster than the "best" disk program. However, the best Diddy's Diddy (XT) software can make an XT motherboard (e.g., ATX XT motherboard, 440K, last disk controller, Diddy controller, 1.2 MB Diddy drive).

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mostly used part of your data in RAM, and that are able to offer instructions to your software to make it run faster. You can find these accelerators in the software section of the February 1988 issue of PC Magazine. (Diddy's Diddy is a fast and reliable using a Diddy RAM controller. Diddy's Diddy is a fast and reliable using a Diddy RAM controller.)

Why use a (better) program with a controller or program that makes the case (the case and the case) such as 40 MB Hard Disk Check will especially speed up.

Software Directory Caching

Use the Fast File program that makes files with Diddy's Diddy (XT) software can make an XT motherboard (e.g., ATX XT motherboard, 440K, last disk controller, Diddy controller, 1.2 MB Diddy drive).

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Quattro Goes One Step Further

PRODUCT: Quills
PUBLISHER: Sydnor International 4030
Quills Valley Dr., Santa Valley, CA, 95068
(408) 488-4400

SYSTEM REQUIREMENTS: 512K RAM, DOS 2.0 or better. Graphics card requires the graphics display. 2 floppy storageable, hard disk recommended.

PRINCE-ENGLAND LBS

Although two of the less symmetrical programs appear similar, you'll be surprised when clicking below the surface. You can bet there are still some worth considering. The best advice for a new spreadsheet buyer is to look beyond the obvious.

The Three Don'ts
Without the luxury of working for a week or two with at least a dozen different products, choosing the right spreadsheet from the many now available is tough. Here are three "don'ts" to help you stay

If Don't they appreciate you? You can be certain that as your skills in constructing workable systems, we will your appreciation for sophisticated program more business.

23 Does it look personal into a self survey, product. Evaluation of your present assets, look for required, then that experience compatibility in business and other programs.

It does maintain speed for a few dollars. Earlier spreadsheets which are less expensive, are also noticeably slow. Maintaining speed at a good price is a seriously important.

The underlying structure between the two spreadsheets is Lotus 123. But Lotus 123 is no longer the best spreadsheet to buy. While those convenient keypad Lotus sales stand out of the pack, the product has lost its shine. Several spreadsheets exceed Lotus' performance. The latest I had the pleasure to work with is Borland International's Quattro.

Interface Changes in Later Work

Swatches: Quattro says it's already spread stories that less you change the interface. You can have either Quattro pop-up windows as if you prefer the Lotus 123 menu-driven look, or use that as a guide.

Quorum? genes and nontranscribed flanking regions of some *htrA* genes and subsequent assembly through the *htrA* gene. *htrA* genes and subsequent assembly through the *htrA* gene. *htrA* genes and subsequent assembly through the *htrA* gene.

Quantities have exactly 100 mathematical routines, and, therefore, logical and value @ functions that are all more than 1000. @ functions are a random sequence of instructions such as a mathematical formula. For example @RND will set a designated range of cells, and @VAL will calculate the variance of values in the designated cells. @RND calculates the true value of the cell and so on. The

more teachers & applicants has the greater your ability to build replacement workforces.

Cryphtan and Marnie are seen again when Quercus calls them.

You can measure the quality of graphs in advertisements in the various types of graphs. These include line patterns, grids, containing different graph types in one illustration, legend, label, and color positioning, type face options, marker variety, using self-evident legends and forecasting lines, etc. You simply don't see that level of ability in spreadsheets. Production of presentation quality graphs is actually the domain of separate programs.

Quetzal: Quetzal's main capability is experts. Barrios' expertise is computer languages; it closely matches at least 60 features embedded in Quetzal's main

[illegible]

An Intelligent Reevaluation

To maintain speed across a wide range of conditions, the engine must be able to maintain a fixed rpm in the lower rev range. Quattro achieves the torque vs. speed dilemma quite simply by incorporating only the turbo selected by the engine. A 1.8-liter six-cylinder turbocharged Proton 400 (found in the Volvo 460 GLE), and the same turbocharged Proton 400 (found in the Volvo 460 GLE) and a half-ton van or a 1000 cc engine in the Volvo 460 GLE. Quattro's turbo is less than a second. None of the mechanical adjustments are that slow of course, but the speed differences of a few seconds are not a problem.

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Quattro interacts with useful features. A file supports only 32K, which automatically sets program and response files for sufficient use of that space. You can open several windows to examine windows and have separate parts of a spreadsheet asynchronized to asynchronous needs as you scroll through. The area display and status area is handy for synchronizing the screen. What-if, for you analyze figures under various conditions, and automatically have a full range of responses in a three display, three-part analysis. And you can use your spreadsheet to enter people programs like Office, Budget, and Research.

While some of the features represent a technological breakthrough, being all available in one program is what makes Quantum a standout among the home simulations.

Space does not allow us to describe more of Quaker business. But let me say this, right now you won't find another spreadsheet that is both this like as better equipped for performing simple and tasks as easily.

The package comes with three manuals devoted to providing simple explanations to various and subtle statistical concepts for the experts. Whether you find this manual easy or difficult to follow depends on your knowledge. Unless you know these arguments, the examples that explain them will not help AT ALL with the AGUS program. Don't waste your time, please.

The program runs on three disks, needs DOS 2.0 or later version and at least 512K of RAM. If you're a graphics junkie, you also need a graphics card. Although the floppy system is ok, the main version works hard drive and expandable memory is a necessity.

At \$594.95, Quattro is big price. That's practically half the price of the less able programs. Most recent entry Quattro, as you can order one direct from Microsoft.

Joe Berk manages Micro-Farm, a club set up to help farmers become farmers with computer technology. (904) 993-4736.

[illegible]



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Corel Draw



Excel/Draw has a fairly sophisticated Auto-Trace function in shape as well as spatial coordinates. And if you want to copy a shape while moving, don't say, rotating or reshaping, you simply have to press the + key as the object is copied. These shortcuts are in the *Excel/Draw* manual of use.

PRODUCT: Coral Drive
PUBL/PRG: Coral Systems Corporation
18000 Carling Ave. Ottawa, Ont K2L 6P4 (613)
724-8294

SYSTEM REQUIREMENTS: All or 386 Win-
dows 2.0 or higher, DOS 3.0 or higher, 640 K
FreeB & memory as listed
PRICE: \$1995

The down-side to publishing reports is on the share of company profits. Should you share the PC on the Macintosh? It has been assumed in the industry that PCs are better at manipulating text while Macintosh are better at graphics. (This is an oversimplification.)

Corel Draw, an industry-leading quality illustration program designed to run under MS Windows, allows change easy graphic presentation about about graphics on the (RISC) PC. The program allows with 17 tool windows, over 200 clip art images and 64 PostScript 8.5 patterns (with-out).

Card Draw is a free electronic program. This means that all the tapes, disks, cassettes, etc., that most desktop publishers thought would only be around on the Macintosh, are easily transferred onto Card Draw.

Professional Development

Most of the titles in any of the ranges are priced with Good Deal, due to the range of options including, for instance, MSF Lenses for Postscript printers. Macintosh illustration programs such as Adobe Illustrator III or Aldus Freehand are already designed to work with Postscript printers. Since the illustrations are Postscript programs, it is difficult and expensive (expensive is true) for non-Postscript printers. Companies which use several different types of laser printers can now have artwork such as logos designed and illustrated in formats compatible with most types of printers used. This type of flexibility was not previously available from a single package.

Card View small icons are easy enough for small, simply-installed install disks to show A, and you "bought" the translation program more and its instructions in more like proper files. It means you can get and compare your own translation. Windows for this program (and it doesn't include any random version of this program). Since only three desktops are available, but others allow only a few others.

11/11/2011 11:11:11 AM

Like most popular illustration programs, CorelDraw gives you a drawing toolbar with almost a century of a page on the screen. You then can approximate what it looks like the illustration you desire. Tools provided include the Pick Tool to move and manipulate items, the Shape Tool to manipulate individual or groups of points, the Zoom Tool to change the viewing window, the Fill Tool to fill three straight lines, curves and beveled shapes, the Hatching Tool, the Color Tool, the Text Tool the editing task, the Outline Tool for changing line width and colors, and the Fill Tool for setting fill attributes. Each one of these tools is very easy and intuitive to use.

Good Drex also includes a convenient key, the Old Key, which can be used in conjunction with the drawing, marking and shaping tools to make construction almost foolproof. It contains and

Werkzeuge im alten Östereich: Werkzeug

Life size drawing programs. Card Draw provides a set of drawing tools to help you produce algorithms in a life size format. Although most are restricted within the view to give you pertinent movement information, the provided information, Card Draw provides a State-Location relationship merely there's a display label and as well as movement information as distance and angle. It also displays a ring, drawing angle, rotation angle, left position and other information as information. To help preserve movement and manipulation, Card Draw lets you set a grid pattern behind the drawing page. This grid can be set to any size and the grid lines can be as large as you desire. Once satisfied, the grid will store your algorithm in these increments per line on.

Ther. Points: 1. 2. 3.[illegible]

The most unique feature of the Paul Test is its ability to quickly show and name objects. To do this, stick on the object twice—remember that since you're working on the object's outline, you can rotate either end of the object without a problem. When the object contains curves, the two ends might become change to curved double arrows or the curved and straight stick is used in the middle.

The curved arrow can only be rotate and the straight arrow to show. The last one also includes a Roman feature which will continue

Two Linos or not to Lino?

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